

PHOSPHOR BLENDS FOR HIGH-CRI FLUORESCENT LAMPS

Abstract of Disclosure

A phosphor blend comprises at least two phosphors each selected from one of the groups of phosphors that absorb UV electromagnetic radiation and emit in a region of visible light. The phosphor blend can be applied to a discharge gas radiation source to produce light sources having high color rendering index. A phosphor blend is advantageously includes the phosphor $(\text{Tb}, \text{Y}, \text{Lu}, \text{La}, \text{Gd})_x (\text{Al}, \text{Ga})_y \text{O}_{12} : \text{Ce}^{3+}$, wherein x is in the range from about 2.8 to and including 3 and y is in the range from about 4 to and including 5.

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Figures

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